

ARG57552 anti-ZO1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ZO1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ZO1
Species	Human
Immunogen	Partial recombinant protein around aa. 1178-1527 of Human ZO-1.
Conjugation	Un-conjugated
Alternate Names	Zonula occludens protein 1; Tight junction protein ZO-1; Tight junction protein 1; Zona occludens protein 1; ZO-1

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	1 - 5 µg/ml
	IHC-P	1 - 5 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 194 kDa	

Properties

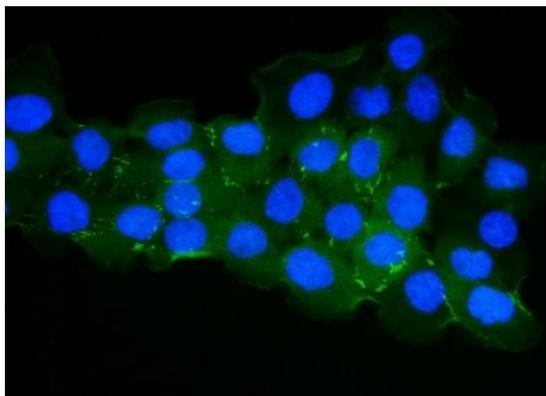
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

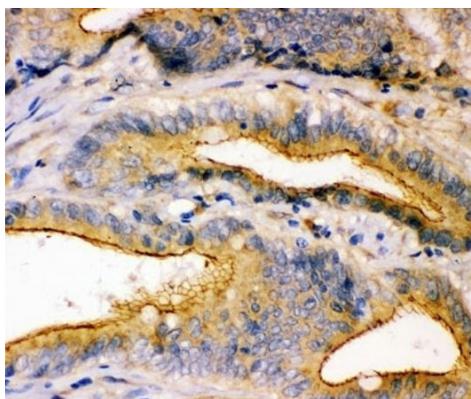
Gene Symbol	TJP1
Gene Full Name	tight junction protein 1
Background	This gene encodes a protein located on a cytoplasmic membrane surface of intercellular tight junctions. The encoded protein may be involved in signal transduction at cell-cell junctions. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Function	The N-terminal may be involved in transducing a signal required for tight junction assembly, while the C-terminal may have specific properties of tight junctions. The alpha domain might be involved in stabilizing junctions. Plays a role in the regulation of cell migration by targeting CDC42BPB to the leading edge of migrating cells. [UniProt]
Calculated Mw	195 kDa
PTM	Phosphorylated. Dephosphorylated by PTPRJ. [UniProt]

Images



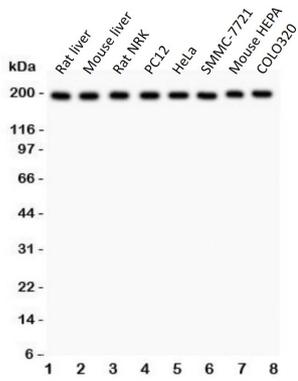
ARG57552 anti-ZO1 antibody ICC/IF image

Immunofluorescence: A431 cells stained with ARG57552 anti-ZO1 antibody (green). DAPI (blue) for nuclear staining.



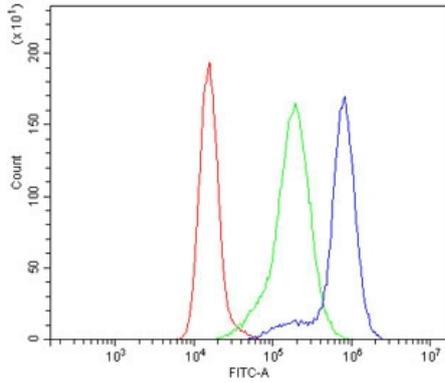
ARG57552 anti-ZO1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue stained with ARG57552 anti-ZO1 antibody. Antigen Retrieval: Boil tissue section in Citrate buffer (pH 6.0).



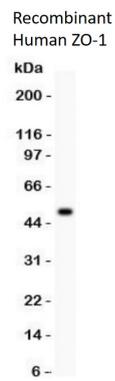
ARG57552 anti-ZO1 antibody WB image

Western blot: 1) Rat liver, 2) Mouse liver, 3) Rat NRK, 4) PC12, 5) HeLa, 6) SMMC-7721, 7) Mouse HEPA, 8) COLO320 lysates stained with ARG57552 anti-ZO1 antibody.



ARG57552 anti-ZO1 antibody FACS image

Flow Cytometry: K562 cells were blocked with goat sera and stained with ARG57552 anti-ZO1 antibody at $1 \mu\text{g}/10^6$ cells (blue); Cells alone (red); Isotype control (green).



ARG57552 anti-ZO1 antibody WB image

Western blot: 0.5 ng of recombinant Human ZO-1 protein stained with ARG57552 anti-ZO1 antibody.